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File: DWPI

May 18, 1989

DERWENT-ACC-NO: 1989-165788
DERWENT-WEEK: 198922
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TITLE: Suction tool for mounting small electronic components - rotates and slides in angled head rotated inside handle and operates indicator for suction

INVENTOR: TRESKY, M

PATENT-ASSIGNEE:

ASSIGNEE
TRESKY M

CODE
TRESI

PRIORITY-DATA: 1987CH-0004358 (November 9, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 8904547 A</u>	May 18, 1989	G	016	
CH 673251 A	February 28, 1990		000	

DESIGNATED-STATES: JP US AT BE CH DE FR GB IT LU NL SE

CITED-DOCUMENTS:DE 8514640; EP 241024 ; US 2187806

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 8904547A	November 7, 1988	1988WO-CH00206	

INT-CL (IPC): B23K 37/04; B25B 11/00; H01L 21/00; H05K 13/04

ABSTRACTED-PUB-NO: WO 8904547A
BASIC-ABSTRACT:

Inside a three sided handle (21) is a tool holder (2) with a circular stem terminating in a head (2a) supporting a tool (8) at an angle. The stem can rotate in the handle and the tool is rotated in the head by a serrated knob (6) at its end, and can also be moved axially for length adjustment. The tool is connected by a channel (20b) and tube (20c) inside the tool holder to a suction source.

Between the handle and stem is a spring (24) shaped as an arc of a circle, fitting into an opening (22) in the stem, and engaging a groove (23) in the handle for retaining it. The tool is inside a sleeve (4) inside the hole through the angle head. Attached to the knob is a flange (12) with its edge fitting into a slot (13) with light guides for operating a position indicator and pneumatic switching system.

ADVANTAGE - Is ergonomically designed, and suits both right and left hands of different sizes.

CHOSEN-DRAWING: Dwg.1,2,3/

TITLE-TERMS: SUCTION TOOL MOUNT ELECTRONIC COMPONENT ROTATING SLIDE ANGLE HEAD ROTATING
HANDLE OPERATE INDICATE SUCTION

DERWENT-CLASS: P55 P62 U11 V04

EPI-CODES: U11-F02A4; V04-R04; V04-V01;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1989-126501